

## Supplementary Figure 1. Ascl1 overexpression did not cause ectopic expression of Pax6

(A, B, n=3) Brain was dissected, flatmounted and in lateral view. There was no upregulation of *Pax6* when the embryo was electroporated with the pAscl1 plasmid, which confirmed the specificity of the plasmid. The un-transfected side also showed normal expression of *Pax6*. For abbreviations see Table 1.